



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D6101-003**  
**Job Sheet 202010**



Part No: D6101-003

Job Qty: 20 pcs

Part Name: Saddle Billet, 7075



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/17/19

Job Tracking No:

Due Date: 11/13/19

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV B

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation                     | Qty       | Start Date | Due Date | Standard  |         | Workcenter/Supplier    |           | Sign-off |
|-------|-------------------------------|-----------|------------|----------|-----------|---------|------------------------|-----------|----------|
|       |                               |           |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier  | Lead Time |          |
| 100   | Purchasing                    | 20<br>pcs | 11/13/19   | 11/13/19 | 0.00      | 0.00    | Purchasing - 1         |           |          |
|       |                               |           |            |          |           |         | Purchasing - 2         |           |          |
|       |                               |           |            |          |           |         | Purchasing - 3         |           |          |
| 110   | Packaging 2-1 - Receive - B4B | 20<br>pcs | 11/13/19   | 11/13/19 | 0.00      | 0.00    | Packaging 2 - 1 - B4B  |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 2 - B4B  |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 3 - B4B  |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 5 - B4B  |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 4 - B4B  |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 6 - B4B  |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 7 - B4B  |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 8 - B4B  |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 9 - B4B  |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 10 - B4B |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 11 - B4B |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 12 - B4B |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 13 - B4B |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 14 - B4B |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 15 - B4B |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 16 - B4B |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 17 - B4B |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 18 - B4B |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 19 - B4B |           |          |
|       |                               |           |            |          |           |         | Packaging 2 - 20 -     |           |          |



Dart Aerospace Ltd.  
1270 Aberdeen Street  
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CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Container No: S229059



Part: D6101-003

Job No: 202010

Serial No/Batch: S229059

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 11/01/19

Plex 10/17/19 2:58 PM Dart.lajeunesse.marie

|                                 |        |          |      |      |  |                        |  |
|---------------------------------|--------|----------|------|------|--|------------------------|--|
|                                 |        |          |      |      |  | B4B                    |  |
|                                 |        |          |      |      |  | Packaging 2 - 21 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 22 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 23 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 24 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 25 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 26 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 27 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 28 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 29 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 30 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 31 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 32 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 33 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 34 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 35 - B4B |  |
|                                 |        |          |      |      |  | Packaging 2 - 36 - B4B |  |
| 120 QC 18                       | 20 pcs | 11/13/19 | 0.00 | 0.00 |  | QC 18 - 12             |  |
|                                 |        |          |      |      |  | QC 18 - 14             |  |
|                                 |        |          |      |      |  | QC 18 - 22             |  |
|                                 |        |          |      |      |  | QC 18 - 25             |  |
|                                 |        |          |      |      |  | QC 18 - 48             |  |
|                                 |        |          |      |      |  | QC 18 - 58             |  |
|                                 |        |          |      |      |  | QC 18 - 61             |  |
|                                 |        |          |      |      |  | QC 18 - 9              |  |
| 130 Packaging 3-1 - Stock - B4B | 20 pcs | 11/13/19 | 0.00 | 0.00 |  | QC 18 - 81             |  |
|                                 |        |          |      |      |  | Packaging 3 - 1 - B4B  |  |
|                                 |        |          |      |      |  | Packaging 3 - 2 - B4B  |  |
|                                 |        |          |      |      |  | Packaging 3 - 3 - B4B  |  |
|                                 |        |          |      |      |  | Packaging 3 - 4 - B4B  |  |
|                                 |        |          |      |      |  | Packaging 3 - 5 - B4B  |  |
|                                 |        |          |      |      |  | Packaging 3 - 6 - B4B  |  |
|                                 |        |          |      |      |  | Packaging 3 - 7 - B4B  |  |
|                                 |        |          |      |      |  | Packaging 3 - 8 - B4B  |  |
|                                 |        |          |      |      |  | Packaging 3 - 9 - B4B  |  |
|                                 |        |          |      |      |  | Packaging 3 - 10 - B4B |  |
|                                 |        |          |      |      |  | Packaging 3 - 11 - B4B |  |
|                                 |        |          |      |      |  | Packaging 3 - 12 - B4B |  |
|                                 |        |          |      |      |  | Packaging 3 - 13 - B4B |  |
|                                 |        |          |      |      |  | Packaging 3 - 14 - B4B |  |
|                                 |        |          |      |      |  | Packaging 3 - 15 - B4B |  |

|     |            |        |          |                        |                 |
|-----|------------|--------|----------|------------------------|-----------------|
|     |            |        |          | Packaging 3 - 16 - B4B |                 |
|     |            |        |          | Packaging 3 - 17 - B4B |                 |
|     |            |        |          | Packaging 3 - 18 - B4B |                 |
|     |            |        |          | Packaging 3 - 19 - B4B |                 |
|     |            |        |          | Packaging 3 - 20 - B4B |                 |
|     |            |        |          | Packaging 3 - 21 - B4B |                 |
|     |            |        |          | Packaging 3 - 22 - B4B |                 |
|     |            |        |          | Packaging 3 - 23 - B4B |                 |
|     |            |        |          | Packaging 3 - 24 - B4B |                 |
|     |            |        |          | Packaging 3 - 25 - B4B |                 |
|     |            |        |          | Packaging 3 - 26 - B4B |                 |
|     |            |        |          | Packaging 3 - 27 - B4B |                 |
|     |            |        |          | Packaging 3 - 28 - B4B |                 |
|     |            |        |          | Packaging 3 - 29 - B4B |                 |
|     |            |        |          | Packaging 3 - 30 - B4B |                 |
|     |            |        |          | Packaging 3 - 31 - B4B |                 |
|     |            |        |          | Packaging 3 - 32 - B4B |                 |
|     |            |        |          | Packaging 3 - 33 - B4B |                 |
|     |            |        |          | Packaging 3 - 34 - B4B |                 |
|     |            |        |          | Packaging 3 - 35 - B4B |                 |
|     |            |        |          | Packaging 3 - 36 - B4B | DAS             |
| 140 | QC 21 - SA | 20 pcs | 11/13/19 | 0.00 0.00              | QC 21 - SA - 21 |
|     |            |        |          |                        | QC 21 - SA - 70 |
|     |            |        |          |                        | QC 21 - SA - 53 |

NOV 04 2019

Part Op 100 - Issue P/O: \_\_\_\_\_ a) Description: Alluminum billet b) 7.875" x 6.250" x 2.00" thick c) Tolerance on all Descriptions: dimensions are +0.030"/-0.000" d) Grain direction along 7.875" length e) Material: 7075-T7351 (QQ-A-250/12) f) Material certification required

110 - (Receive & Inspect for Damage & Mat'l Certs), Ensure material certification is attached

120 - Ensure Material certification comply to Dwg D6101

130 - (Identify as per dwg & Stock Location: \_\_\_\_\_), LOCATION: MAT046

140 - (QC21- Final Inspection - Work Order Release)

## Job BOM

| Part / Item | Component Name          | Quantity      | Operation      | Container |
|-------------|-------------------------|---------------|----------------|-----------|
| D6101-003P  | 7075-T7351 2X6.25X7.875 | 20 pcs (1 ea) | 100-Purchasing | 5228699   |

## Job Allocations

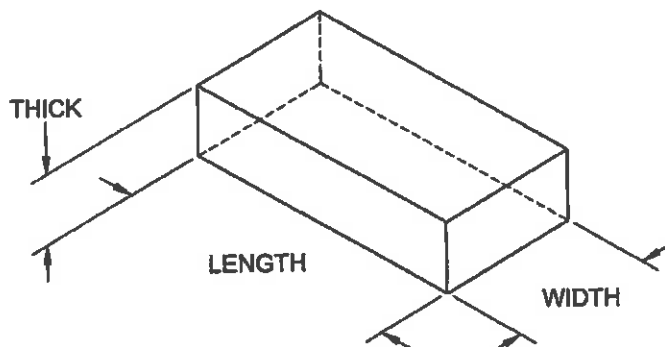
| Operation      | Component Part | Required | Inventory | Allocated |
|----------------|----------------|----------|-----------|-----------|
| 100-Purchasing | D6101-003P     | 20       | 0         | 0         |

**Part Specifications**

Specifications could not be found.

*Plex 10/17/19 2:58 PM Dart.lajeunesse.marie*

# SPECIFICATION CONTROL DRAWING



SHOP COPY  
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WITHOUT NOTICE

WORK ORDER  
NO. 202010 MWS  
191017

PURCHASE MATERIAL ACCORDING TO THE FOLLOWING TABLE. SPECIFY ALLOY, LENGTH x WIDTH x THICK (+0.030/-0.000), AND GRAIN DIRECTION AS SHOWN.

TOLERANCES ON ALL DIMENSIONS ARE +0.030/-0.000.

ALL DIMENSIONS ARE IN INCHES.

**B** ACCEPTABLE SPECIFICATIONS FOR 7075-T7351 ALUMINUM ARE AMS-QQ-A-250/12, QQ-A-250/12, OR ASTM B209

| Part No.  | Alloy                    | Length | Width | Thick | Grain Direction    |
|-----------|--------------------------|--------|-------|-------|--------------------|
| D6101-001 | 7075-T7351 (QQ-A-250/12) | 6.000  | 6.250 | 2.000 | Along 6.000 Length |
| D6101-003 | 7075-T7351 (QQ-A-250/12) | 7.875  | 6.250 | 2.000 | Along 7.875 Length |
| D6101-005 | 7075-T7351 (QQ-A-250/12) | 5.000  | 8.250 | 2.500 | Along 5.000 Length |
| D6101-007 | 7075-T7351 (QQ-A-250/12) | 7.750  | 8.250 | 2.500 | Along 7.750 Length |
| D6101-009 | 7075-T7351 (QQ-A-250/12) | 8.700  | 8.250 | 2.500 | Along 8.700 Length |
| D6101-011 | 7075-T7351 (QQ-A-250/12) | 9.700  | 8.250 | 2.500 | Along 9.700 Length |
| D6101-013 | 7075-T7351 (QQ-A-250/12) | 10.100 | 8.250 | 2.500 | Along 10.10 Length |
| D6101-015 | 7075-T7351 (QQ-A-250/12) | 9.450  | 6.250 | 2.500 | Along 9.450 Length |
| D6101-017 | 7075-T7351 (QQ-A-250/12) | 6.350  | 6.250 | 2.250 | Along 6.350 Length |

**RELEASED**  
09/07/15/W

|            |                                     |                                                                                                                                                                                                                                                                                          |              |
|------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| B          | ADDED D6101-015/-017, ADD ASTM B209 | RF                                                                                                                                                                                                                                                                                       | 09.04.23     |
| A          | NEW ISSUE                           | CP                                                                                                                                                                                                                                                                                       | 01.03.30     |
| REV.       | DESCRIPTION                         | BY                                                                                                                                                                                                                                                                                       | DATE         |
| DESIGN     | CP                                  | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                 |              |
| DRAWN      | RF                                  |                                                                                                                                                                                                                                                                                          |              |
| CHECKED    | <i>[Signature]</i>                  | DRAWING NO.                                                                                                                                                                                                                                                                              | REV. B       |
| MFG. APPR. | <i>[Signature]</i>                  | D6101                                                                                                                                                                                                                                                                                    | SHEET 1 OF 1 |
| APPROVED   | <i>[Signature]</i>                  | TITLE                                                                                                                                                                                                                                                                                    | SCALE        |
| DE APPR.   | <i>[Signature]</i>                  | SADDLE BILLET, 7075                                                                                                                                                                                                                                                                      | NTS          |
| DATE       | 09.04.23                            | <small>COPYRIGHT © 2001 BY DART AEROSPACE LTD<br/>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> |              |



Entered: \_\_\_\_\_ Date: \_\_\_\_\_ **WORK ORDER NON-CONFORMANCE / ROUTE UPDATE**

Route update only

NCR No. \_\_\_\_\_

Job: \_\_\_\_\_  
Part No. \_\_\_\_\_

**DISPOSITION**

Rework ☐  
Scrap ☐  
Use-as-is ☐

**DEPARTMENT/PROCESS**

Skid-tube ☐ Cross tube ☐ Eng. (Non-AW) ☐ Engineering ☐  
Machining ☐ Small Fab ☐ Prod. Eng. Coord. ☐ Water Jet ☐  
Large Fab ☐ Finishing ☐ Rec/Store/Packaging ☐ Supplier ☐  
Quality ☐

Date: \_\_\_\_\_ Sequence #: \_\_\_\_\_

QTY Affected: \_\_\_\_\_

MRB (QS1042)

Description Work Order Deviation

Disposition

Completed By

Lead hand / Supervisor

QC / QA Coordinator

**Root Cause**

Operator ☐  
Manufacturing Process ☐  
Equip/Tooling ☐  
Handling/Preservation ☐  
Material ☐  
Product Improvement ☐  
Process Improvement ☐  
Human Factors ☐

**FAULT CATEGORY**

|                              |                                 |                    |                   |
|------------------------------|---------------------------------|--------------------|-------------------|
| Pressure/Forced              | Contamination                   | Power Loss/Surge   | Positioned Wrong  |
| Bending                      | Misaligned/off center           | Folio/Program      | Outside Tolerance |
| Crushing                     | BOM/Route                       | Grain Direction    | Drawing           |
| Cracks                       | Broken/Damage/Defect            | Weld               | Finish            |
| Crimp/Kink/Ripple/Wave/Twist | Incomplete/Unclear Instructions | Wrong Stock Pulled | Part Lost/Missing |
| Marks/Chatter                | Drill Holes                     | Out of Sequence    | Misread           |
| Mislabeled                   | Fit/Function                    | Off-set/Set-up     |                   |

Other/Details:



Dart Aerospace Ltd.  
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K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## POHB044812



**Supplier:** MEC002-VU  
Metaux Castle  
P.O. Box 4090 Stn A  
Toronto  
ON  
M5W OE9 Canada

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** POHB044812

**PO Date:** 10/18/19

**Due Date:** 11/11/19

**Purchase Order  
Revision:**

**Revision Date:**

**Ship-To Contact:** Laviole, Chantal  
Phone: 613-623-5200 Ext: 242  
Fax: 613-632-1053  
claviole@dartaero.com

**Via:** Ground

**Pymt Terms:** Net 60

**Freight Terms:**

**Special Comments:**

OCT 18 2019

### Items

| Line Item | Job    | Part       | Supplier Part No | Description                                                                                                                                                                                                                                                       | Status | Account | Due Date | Order Quantity | Received Quantity     | Balance | Unit Price (USD) | Extended Price |
|-----------|--------|------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|----------|----------------|-----------------------|---------|------------------|----------------|
| 1         | 202010 | D6101-003P | 72742            | 7075-T7351<br>2X6.25X7.875<br>: Various STC's<br>AS PER DWG<br>D6101 REV. B<br>SIZE: 7.875" X<br>6.250" X 2.00"<br>THICK<br>GRAIN<br>DIRECTION<br>ALONG 7.875"<br>LENGHT<br>MATERIAL:<br>7075-T7351 QQ-<br>A-250/12<br>TOLERANCE AS<br>PER QUOTE<br>+.030"/-.000" | Firmed | -       | 11/11/19 | 20 pcs         | 0 pcs<br>21 pcs<br>Vm | 20 pcs  | \$38.82/pcs      | \$776.40       |

OCT 31 2019



Dart Aerospace Ltd.  
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Hawkesbury, ON  
K6A 1K7  
Canada

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# PURCHASE ORDER

## POHB044812



| Items     |     |                     |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |         |          |                |                   |         |                  |                |
|-----------|-----|---------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| Line Item | Job | Part                | Supplier Part No | Description                                                                                                                                                                                                                                                                                                                                                                                                                    | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price |
| 2         |     | M7075T6S0.375X6.000 |                  | 7075-T6S Sheet<br>.375" Thick Plate<br>X 6" Wide<br>: MATERIAL:<br>7075-<br>T6/T62/T651<br>ALUMINUM<br>SHEET OR<br>PLATE<br>SPECIFICATION:<br>QQ-A-250/12 OR<br>AMS-QQ-A-<br>250/12<br>OR AMS 4045<br>OR ASTM B209<br>OR<br>MATERIAL:<br>7075-<br>T6/T62/T65/<br>ALCLAD<br>ALUMINUM<br>SHEET OR<br>PLATE<br>SPECIFICATION:<br>QQ-A-250/13 OR<br>AMS-QQ-A-<br>250/13<br>OR AMS 4048 /<br>4049 OR ASTM<br>B209<br><br>receive ft | Firmed | -       | 11/11/19 | 24 ft          | 0 ft              | 24 ft   | \$21.84/ft       | \$524.16       |





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# PURCHASE ORDER

## POHB044812



## Items

| Line Item    | Job | Part                | Supplier Part No | Description                                                                                                                                                                                                                                                                                                                                                                                                                    | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price |
|--------------|-----|---------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| 3            |     | M7075T6S0.375X8.000 |                  | 7075-T6S Sheet<br>.375" Thick Plate<br>X 8" Wide<br>: MATERIAL:<br>7075-<br>T6/T62/T651<br>ALUMINUM<br>SHEET OR<br>PLATE<br>SPECIFICATION:<br>QQ-A-250/12 OR<br>AMS-QQ-A-<br>250/12<br>OR AMS 4045<br>OR ASTM B209<br>OR<br>MATERIAL:<br>7075-<br>T6/T62/T65/<br>ALCLAD<br>ALUMINUM<br>SHEET OR<br>PLATE<br>SPECIFICATION:<br>QQ-A-250/13 OR<br>AMS-QQ-A-<br>250/13<br>OR AMS 4048 /<br>4049 OR ASTM<br>B209<br><br>receive ft | Firmed | -       | 11/11/19 | 24 ft          | 0 ft              | 24 ft   | \$26.39/ft       | \$633.36       |
| 4            |     | M303B1.000X1.000    |                  | M303B1.000 X<br>1.000<br>: MATERIAL:<br>AISI 303 SS BAR<br>AS PER ASTM<br>A582 NOTE: AISI<br>304/316 NOT<br>ACCEPTABLE<br>receive ft                                                                                                                                                                                                                                                                                           | Firmed | -       | 11/5/19  | 12 ft          | 12 ft             | 12 ft   | \$23.85/ft       | \$286.20       |
| 5            |     | M304R1.500          |                  | 304 Round Bar<br>1.500<br>: MATERIAL:<br>AISI 304/316 SS<br>ROUND BAR AS<br>PER ASTM A276<br>NOTE: AISI 303<br>NOT<br>ACCEPTABLE<br>receive ft                                                                                                                                                                                                                                                                                 | Firmed | -       | 11/11/19 | 12 ft          | 12 ft             | 12 ft   | \$14.00/ft       | \$168.00       |
| Grand Total: |     |                     |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |         |          |                |                   |         |                  | \$2,388.12     |



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**PURCHASE ORDER**  
**POHB044812**



**Order Notes**

**Procurement Quality Clauses**

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable). No Raw Metals from China or Soviet Bloc Countries. (DFARS)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program.

A049 supplier awareness.

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 10/18/19 11:07 AM Dart.Lavole.Chantal



A. M. Castle & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

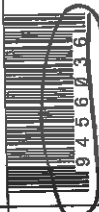
Page 1 of 2

Shipment No:4028263

|                                                                                                    |                                                  |                                                                                        |  |                                                                                         |                            |                                                                                              |  |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------|--|
| <b>Ship From:</b><br>A. M. CASTLE & CO.<br>2150 ARGENTIA ROAD<br>MISSISSAUGA, ON L5N<br>2K7<br>CAN |                                                  | <b>Sold To:</b><br>DART AEROSPACE LTD<br>1270 ABERDEEN<br>HAWKESBURY, ON K6A 1K7<br>CA |  | <b>Ship To:</b><br>DART AEROSPACE LTD<br>1270 ABERDEEN<br>HAWKESBURY, ON<br>K6A 1K7 CAN |                            | <b>Deliver To:</b><br>DART AEROSPACE LTD<br>1270 ABERDEEN<br>HAWKESBURY, ON<br>K6A 1K7<br>CA |  |
| <b>Date Shipped</b><br>30-OCT-19                                                                   | <b>Inco Terms</b><br>Origin HAWKESBURY ON<br>CAN | <b>Freight Terms</b><br>Prepaid                                                        |  | <b>Carrier</b><br>LOCAL_FLEET                                                           | <b>BOL No</b><br>4028263-6 |                                                                                              |  |

Final Destination Branch - TOR

Shipment Details

|                                                                                                                                                                                                                                                                            |                                                      |                                                                                                                        |                                                                                                                                     |                  |                             |                              |                                     |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------|------------------------------|-------------------------------------|--|
| <b>Order No</b><br>5630597                                                                                                                                                                                                                                                 | <b>Line No</b><br>1                                  | <b>Item No</b><br>72742                                                                                                | <b>Description</b><br>2.0000.PL.7075.T7351.ALUMINUM.GRAIN TO RUN ALONG 7.875<br>IN.6.2500.7.8750<br>SPECIFICATIONS: AMS-QQ-A-250/12 |                  |                             |                              |                                     |  |
| <b>Purchase Order No</b><br>POHB044812                                                                                                                                                                                                                                     | <b>Part Number</b><br>YOUR ITEM NUMBER:<br>D6101-003 | <b>Ordered Qty</b><br>20.00 PCS                                                                                        | <b>Invoice Qty</b><br>20.00 PCS                                                                                                     |                  |                             |                              |                                     |  |
| <b>Details</b><br>ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY<br>ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S<br>Email P/s and certs to: clavoie@dartaero.com<br>END USER: DART AEROSPACE<br>END USE: COMMERCIAL AIRCRAFT PARTS |                                                      |                                                                                                                        |                                                                                                                                     |                  |                             |                              |                                     |  |
| <b>Delivery No.</b><br>122940767                                                                                                                                                                                                                                           | <b>Mill</b><br>CONSTELLUM<br>ROLLED<br>PRODUCTS      | <b>Heat Number</b><br><br>9456736 | <b>Mech Id</b><br>20                                                                                                                | <b>PCS</b><br>20 | <b>Width (IN)</b><br>6.2500 | <b>Length (IN)</b><br>7.8750 | <b>Shipped Qty(LBS)</b><br>203.2180 |  |

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description.

Date Printed: 30-OCT-2019 03:50:31 PM



**Castle Metals®**

A. M. Castle & Co.

**PACKING SLIP/  
CERTIFICATE OF CONFORMANCE**

Page 2 of 2

|                                                                                                                                                                                                                                                                            |                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit. |                          |
| Reviewed by Authorized Castle Metals Representative:                                                                                                                                                                                                                       | Date: <b>OCT 30 2019</b> |
| Name: <i>[Signature]</i>                                                                                                                                                                                                                                                   |                          |





Constellium Rolled Products Ravenswood, LLC  
PO BOX 68  
RAVENSWOOD, WV 26164

KEEP MATERIAL DRY  
PACKING LIST

|                                                                                                                                                      |              |                     |                       |                                                                                                                    |                         |                         |              |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|--------------|----------------|
| SHIP TO                                                                                                                                              |              | DELIVERY NUMBER     |                       | RECEIVING HOURS MONDAY THRU FRIDAY 9 AM TO 2:30 PM, CALL AT MINIMUM 24 HR PRIOR TO ARRIVAL FOR APPT. 316 522 5900. |                         |                         |              |                |
| A M CASTLE CO<br><br>3050 SO HYDRAULIC<br>WICHITA, KS                                                                                                |              | 110777239           |                       |                                                                                                                    |                         |                         |              |                |
|                                                                                                                                                      |              | SHIPMENT INFO.      |                       |                                                                                                                    |                         |                         |              |                |
|                                                                                                                                                      |              | 07/09/2019 07:50:00 |                       |                                                                                                                    |                         |                         |              |                |
| CUSTOMER PO NO.                                                                                                                                      |              | CUSTOMER PART NO.   |                       | ORIGINAL PROMISE                                                                                                   |                         |                         |              |                |
| 503663                                                                                                                                               |              | 752237              |                       | 07/19/2019                                                                                                         |                         |                         |              |                |
| ITEM DESCRIPTION                                                                                                                                     |              | ORDER NO.           |                       | MAIN CUSTOMER SPECIFICATION                                                                                        |                         |                         |              |                |
| SPEC PLATE, SAWED<br>MILL FINISH                                                                                                                     |              | 274033              |                       | AMS 4078K                                                                                                          |                         |                         |              |                |
| ALLOY                                                                                                                                                | CLAD         | TEMPER              | GAUGE                 | WIDTH                                                                                                              | LENGTH                  | GOVERNMENT CONTRACT NO. |              |                |
| 7075                                                                                                                                                 |              | T7351               | 2.0000 IN<br>50.80 MM | 48.5000 IN<br>1,232 MM                                                                                             | 144.5000 IN<br>3,670 MM |                         |              |                |
| TICKET NO.                                                                                                                                           | LOC          | LOT NO.             | PARENT LOT            | PIECES                                                                                                             | GROSS WT.               | TARE WT.                | NET WT.      | SERIAL NUMBERS |
| 1002095538                                                                                                                                           | A24M         | 9456036             |                       | 000002                                                                                                             | 2,940.000 LB            | 90.000 LB               | 2,850.000 LB |                |
| 1002095539                                                                                                                                           | A25W         | 9456036             |                       | 000001                                                                                                             | 1,515.000 LB            | 90.000 LB               | 1,425.000 LB |                |
| 1002095576                                                                                                                                           | A24M         | 9456037             |                       | 000002                                                                                                             | 2,930.000 LB            | 90.000 LB               | 2,840.000 LB |                |
| 1002095577                                                                                                                                           | A24M         | 9456037             |                       | 000001                                                                                                             | 1,510.000 LB            | 90.000 LB               | 1,420.000 LB |                |
| SOURCE INSPECTION<br>N<br>AMC CA-15413A R 11                                                                                                         |              |                     |                       |                                                                                                                    |                         |                         |              |                |
| COMMODITIES, TECHNOLOGY, OR SOFTWARE<br>EXPORTED FROM U.S. IN ACCORDANCE TO<br>EXPORT ADMIN REGULATIONS DIVERSION<br>CONTRARY TO U.S. LAW PROHIBITED |              |                     |                       |                                                                                                                    |                         |                         |              |                |
|                                                                 |              |                     |                       |                                                                                                                    |                         |                         |              |                |
| TOTAL SKIDS                                                                                                                                          | TOTAL PIECES | TOTAL GROSS         | TOTAL TARE            | TOTAL NET WT.                                                                                                      | PLANNED DATE            | B/L NO.                 |              |                |
| 00004                                                                                                                                                | 000006       | 8895.000 LB         | 360.000 LB            | 8,535 LB                                                                                                           | 07/16/2019              | 120776                  |              |                |
| ROUTE: 09US03                                                                                                                                        |              |                     |                       |                                                                                                                    |                         | DEL. CARRIER: BESL      |              |                |



Constellium Rolled Products  
Ravenswood, LLC

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A M CASTLE  
1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

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|--------------------------------------------------|--|-----------|--|-------------------------|--|---------------------------------|--|----------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| A M CASTLE                                       |  | 110777239 |  | 4776                    |  | INCLUSION                       |  | Serial:20190708-0110777239       |  | Pg 1of3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| CUSTOMER PURCHASE ORDER NO. & ITEM<br>503663     |  |           |  |                         |  | Constellium ORDER NO.<br>274033 |  |                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| ALLOY<br>7075                                    |  | CLAD      |  | TEMPER<br>T7351         |  | GAUGE<br>2.00000 in<br>50.80 mm |  | WIDTH<br>48.50000 in<br>1,232 mm |  | LENGTH<br>144.50000 in<br>3,670 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| ITEM ORDERED<br>SPEC PLATE, SAWED<br>MILL FINISH |  |           |  |                         |  |                                 |  |                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| CUSTOMER SPECIFICATION<br>AMS 4078K              |  |           |  |                         |  |                                 |  |                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| PART NUMBER<br>752237                            |  |           |  | B/L NUMBER<br>120776    |  |                                 |  | DATE SHIPPED<br>07/09/2019       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| WT. SHIPPED<br>8535.000 LB                       |  |           |  | NO. OF PIECES<br>000006 |  |                                 |  | GOVT. CONTRACT NO.               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|                                                  |  |           |  |                         |  |                                 |  |                                  |  | CERTIFICATION<br>"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."<br>Constellium Rolled Products Ravenswood, LLC<br>859 Century Road<br>P.O. BOX 68<br>RAVENSWOOD, WV 26164 USA |  |
|                                                  |  |           |  |                         |  |                                 |  |                                  |  | <br>Dave Dunbar - Laboratory Manager                                                                                                                                                                                                                                                                                                                                                                                            |  |

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.12" DEADZONE Class A  
AMS QQ-A-250/12A  
AMS-STD-2154C 2017 TYPE1 CLASS A 100% SONIC MINUS DEADZONE  
ASTM B209-14  
BSS-7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE  
CMMP025 REV V  
CST1006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE  
DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE  
GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE  
MMS 159T  
PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

Load Details

| Package    | Net Lbs   | Kg      | Lot     | Piece | Serial | Parent Lot |
|------------|-----------|---------|---------|-------|--------|------------|
| 1002095538 | 1,425.000 | 646.369 | 9456036 | 01    |        |            |
| 1002095538 | 1,425.000 | 646.369 | 9456036 | 02    |        |            |
| 1002095539 | 1,425.000 | 646.369 | 9456036 | 03    |        |            |
| 1002095576 | 1,420.000 | 644.101 | 9456037 | 01    |        |            |
| 1002095576 | 1,420.000 | 644.101 | 9456037 | 02    |        |            |
| 1002095577 | 1,420.000 | 644.101 | 9456037 | 03    |        |            |

Lot: 9456036 (See test results below)

Tensile - Room Temperature (US)

|           |       | Ultimate (KSI) |      | Yield (KSI) |      | Elongation (%) |      | Report |
|-----------|-------|----------------|------|-------------|------|----------------|------|--------|
| Direction | Tests | Min            | Max  | Min         | Max  | Min            | Max  |        |
| LT        | 02    | 73.7           | 74.2 | 63.3        | 63.9 | 12.0           | 12.0 |        |





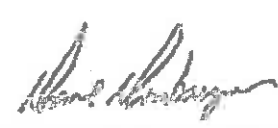
Constellium Rolled Products  
Ravenswood, LLC

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A M CASTLE  
1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

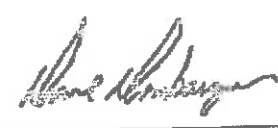
|                                                                                       |       |                  |                                 |                                  |                                    |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
|---------------------------------------------------------------------------------------|-------|------------------|---------------------------------|----------------------------------|------------------------------------|---------------------------------|------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--|
| A M CASTLE                                                                            |       | 110777239        |                                 | 4776                             |                                    | INCLUSION                       |      | Serial:20190708-0110777239 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Pg 2of3 |  |
| CUSTOMER PURCHASE ORDER NO. & ITEM<br>503663                                          |       |                  |                                 |                                  |                                    | Constellium ORDER NO.<br>274033 |      |                            | <b>CERTIFICATION</b><br>"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."<br>Constellium Rolled Products Ravenswood, LLC<br>859 Century Road<br>P.O. BOX 68<br>RAVENSWOOD, WV 26164 USA<br><br><br>Dave Dunberger - Laboratory Manager |         |  |
| ALLOY<br>7075                                                                         | CLAD  | TEMPER<br>T7351  | GAUGE<br>2.00000 in<br>50.80 mm | WIDTH<br>48.50000 in<br>1,232 mm | LENGTH<br>144.50000 in<br>3,670 mm |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| ITEM ORDERED<br>SPEC PLATE, SAWED<br>MILL FINISH                                      |       |                  |                                 |                                  |                                    |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| CUSTOMER SPECIFICATION<br>AMS 4078K                                                   |       |                  |                                 |                                  |                                    |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| PART NUMBER<br>752237                                                                 |       |                  | B/L NUMBER<br>120776            |                                  | DATE SHIPPED<br>07/09/2019         |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| WT. SHIPPED<br>8535.000 LB                                                            |       |                  | NO. OF PIECES<br>000006         |                                  | GOVT. CONTRACT NO.                 |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| <b>Tensile - Room Temperature (SI)</b>                                                |       |                  |                                 |                                  |                                    |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
|                                                                                       |       | Ultimate (N/MM2) |                                 | Yield (N/MM2)                    |                                    | Elongation (%)                  |      | Report                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| Direction                                                                             | Tests | Min              | Max                             | Min                              | Max                                | Min                             | Max  |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| LT                                                                                    | 02    | 508              | 512                             | 436                              | 441                                | 12.0                            | 12.0 |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| <b>Conductivity</b> % IACS MIN 40.1 MAX 40.7 % MS/M MIN 23.3 MAX 23.6                 |       |                  |                                 |                                  |                                    |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| <b>Chemistry (Actual)</b>                                                             |       |                  |                                 |                                  |                                    |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
|                                                                                       | SI    | FE               | CU                              | MN                               | MG                                 | CR                              | ZN   | TI                         | ZR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |  |
| Core                                                                                  | 0.06  | 0.13             | 1.54                            | 0.03                             | 2.58                               | 0.21                            | 5.82 | 0.03                       | 0.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |  |
| OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER                             |       |                  |                                 |                                  |                                    |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| All material contained in this lot was cast and manufactured in the USA               |       |                  |                                 |                                  |                                    |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| Lot: 9456037 (See test results below)                                                 |       |                  |                                 |                                  |                                    |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| <b>Tensile - Room Temperature (US)</b>                                                |       |                  |                                 |                                  |                                    |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
|                                                                                       |       | Ultimate (KSI)   |                                 | Yield (KSI)                      |                                    | Elongation (%)                  |      | Report                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| Direction                                                                             | Tests | Min              | Max                             | Min                              | Max                                | Min                             | Max  |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| LT                                                                                    | 02    | 73.7             | 73.9                            | 63.1                             | 63.7                               | 12.5                            | 12.5 |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
|  |       |                  |                                 |                                  |                                    |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |
| P-860-155D REVISED: 01 2018                                                           |       |                  |                                 |                                  |                                    |                                 |      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |  |

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1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

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|--------------------------------------------------|------|-------------------------|---------------------------------|----------------------------------|------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------|--|
| A M CASTLE                                       |      | 110777239               |                                 | 4776                             |                                    | INCLUSION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Serial:20190708-0110777239 |  | Pg 3of3 |  |
| CUSTOMER PURCHASE ORDER NO. & ITEM<br>503663     |      |                         |                                 |                                  |                                    | Constellium ORDER NO.<br>274033 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |  |         |  |
| ALLOY<br>7075                                    | CLAD | TEMPER<br>T7351         | GAUGE<br>2.00000 in<br>50.80 mm | WIDTH<br>48.50000 in<br>1,232 mm | LENGTH<br>144.50000 in<br>3,670 mm |                                 | <b>CERTIFICATION</b><br>"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."<br>Constellium Rolled Products Ravenswood, LLC<br>659 Century Road<br>P.O. BOX 68<br>RAVENSWOOD, WV 26164 USA<br><br><br>Dave Dunberger - Laboratory Manager |                            |  |         |  |
| ITEM ORDERED<br>SPEC PLATE, SAWED<br>MILL FINISH |      |                         |                                 |                                  |                                    |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |  |         |  |
| CUSTOMER SPECIFICATION<br>AMS 4078K              |      |                         |                                 |                                  |                                    |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |  |         |  |
| PART NUMBER<br>752237                            |      | B/L NUMBER<br>120776    |                                 | DATE SHIPPED<br>07/09/2019       |                                    |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |  |         |  |
| WT. SHIPPED<br>8535.000 LB                       |      | NO. OF PIECES<br>000006 |                                 | GOVT. CONTRACT NO.               |                                    |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |  |         |  |

| Tensile - Room Temperature (SI) |       |     |     | Yield (N/MM2) |     | Elongation (%) |      | Report |
|---------------------------------|-------|-----|-----|---------------|-----|----------------|------|--------|
| Ultimate (N/MM2)                |       |     |     |               |     |                |      |        |
| Direction                       | Tests | Min | Max | Min           | Max | Min            | Max  |        |
| LT                              | 02    | 508 | 510 | 435           | 439 | 12.5           | 12.5 |        |

Conductivity % IACS MIN 39.8 MAX 40.5 % MS/M MIN 23.1 MAX 23.5

| Chemistry (Actual) |      |      |      |      |      |      |      |      |      |
|--------------------|------|------|------|------|------|------|------|------|------|
|                    | SI   | FE   | CU   | MN   | MG   | CR   | ZN   | TI   | ZR   |
| Core               | 0.08 | 0.13 | 1.54 | 0.03 | 2.58 | 0.21 | 5.82 | 0.03 | 0.01 |

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

QUALITY TEXTS:  
AMC CA-15413A R 11

THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CHEMISTRY BY OES: ARKSPARK

CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT

WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399. WHEN SMOOTH FATIGUE TESTED, TESTED PER ASTM E466.

WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557

DUNS Number: 090570149; CAGE Code: 1YWLS

100% Type I (immersion sonic) used when ultrasonic inspection performed.

Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: D610T-003  
DATE: NOV 01 2019

PO / BATCH NO: POHB044812 / 5228699

MATERIAL CERT REC'D: Yes  
QUANTITY RECEIVED: 21 PCS  
QUANTITY INSPECTED: 21 PCS  
QUANTITY REJECTED: -

THICKNESS ORDERED: 2"  
THICKNESS RECEIVED: 2"  
SHEET SIZE ORDERED: -  
SHEET SIZE RECEIVED: -

| DESCRIPTION                                     | NCR<br>(Check Y/N)                 |                                    | COMMENTS     |
|-------------------------------------------------|------------------------------------|------------------------------------|--------------|
| SURFACE DAMAGE                                  | <input type="radio"/> Y            | <input checked="" type="radio"/> N |              |
| CORRECT FINISH                                  | <input checked="" type="radio"/> Y | <input type="radio"/> N            |              |
| CORROSION                                       | <input type="radio"/> Y            | <input checked="" type="radio"/> N |              |
| CORRECT GRAIN DIRECTION                         | <input checked="" type="radio"/> Y | <input type="radio"/> N            |              |
| CORRECT MATERIAL PER M-DRAWING                  | <input checked="" type="radio"/> Y | <input type="radio"/> N            | AMS-QQ-A-250 |
| CORRECT THICKNESS                               | <input checked="" type="radio"/> Y | <input type="radio"/> N            |              |
| PHOTO REQUIRED                                  | <input type="radio"/> Y            | <input checked="" type="radio"/> N |              |
| CORRECT REF # TO LINK CERT                      | <input checked="" type="radio"/> Y | <input type="radio"/> N            | HT: 9456036  |
| CORRECT MATERIAL IDENTIFICATION                 | <input checked="" type="radio"/> Y | <input type="radio"/> N            |              |
| CORRECT M# ON THE MATERIAL                      | <input checked="" type="radio"/> Y | <input type="radio"/> N            |              |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input type="radio"/> Y            | <input checked="" type="radio"/> N |              |
| DOES THIS REQUIRE AN EXTRUSION REPORT           | <input type="radio"/> Y            | <input checked="" type="radio"/> N |              |

|                                                                                    |     |     |       |       |         |
|------------------------------------------------------------------------------------|-----|-----|-------|-------|---------|
| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.<br>RECORD RESULTS BELOW |     |     |       |       |         |
| TYPE OF MATERIAL<br>SIZE OF TEST SAMPLE<br>HARDNESS / DUROMETER READING            | HRC | HRB | DUR A | DUR D | WEBSTER |
|                                                                                    |     |     |       |       |         |
|                                                                                    |     |     |       |       |         |
|                                                                                    |     |     |       |       |         |

testers located in the Quality Office

|                          |                   |                                   |  |
|--------------------------|-------------------|-----------------------------------|--|
| QC 18 INSPECTION         |                   | ENGINEERING SIGNOFF (if required) |  |
| INSPECTED BY: _____      | DAS<br>81<br>9-89 | SIGNED OFF BY: _____              |  |
| DATE: <u>NOV 01 2019</u> |                   | DATE: _____                       |  |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in